

A4 elements 518 which are illustratively ball lenses or microspheres disposed in grooves 519 the first waveguide holding member 506. The gap spacing 517 is illustratively in the range of approximately less than 1 μm to approximately 15 μm .

7. Please amend the paragraph beginning at page 16, line 14 to read as follows.

A7 As described in connection with the illustrative embodiments above, waveguides 708 and 709 are selectively coupled/decoupled with the transverse motion of the first waveguide holding member 703 relative to the second waveguide holding member 706. Moreover, the longitudinal motion of the second waveguide holding member 706 enables accurate gap spacing between the first waveguide holding member 703 and the second waveguide holding member 706, thereby enabling efficient coupling between the waveguides 708 and 709. After the gap spacing is adjusted, a suitable adhesive known to one of ordinary skill in the art may be used to fix the position of the second waveguide holding member 706 and thereby set the gap spacing at the determined position.

In the Drawings:

Please amend Figs. 2, 3, 4, and 5 as marked in red on the copies attached hereto. Changes to the reference numerals are made to conform the drawings to the specification. Removal of the fiber portions in the gaps (209, 310, 412, 517) is made to correct an obvious clerical error in the preparation of the formal drawings, as the drawings as originally filed show no fiber portions in the gaps. The change of lines from solid to dashed in Figs. 4 and 5 are made to conform the Figs. 4 and 5 to the specification and to comport with standard drafting conventions, in which hidden structure is dashed. No new matter is added. Assignee respectfully requests that the Examiner approve and enter the drawing changes.

In the Claims:

Please amend the claims to read as follows. A marked-up copy of the amended claims is provided in the Attachment.

Please cancel claim 4 without prejudice.

A8
1. (Amended Once) An optical switch, comprising:

A first waveguide holding member and a second waveguide holding member disposed over a substrate, wherein said first waveguide holding member moves relative to said second waveguide holding member; and

at least one movement guiding member which guides the motion of said first waveguide holding member relative to said substrate so that said first waveguide holding member moves transversely relative to said second waveguide holding member.

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5.
8. (Amended Once) An optical device as recited in claim 1, wherein said transverse movement of said first waveguide holding member selectively couples at least one waveguide of said first waveguide holding member to at least one waveguide of said second waveguide holding member.

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10. (Amended Once) An optical switch as recited in claim 1, wherein said pit is disposed in said substrate and said groove is disposed in said first waveguide holding member.

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13.
14. (Amended Once) An optical switch as recited in claim 11, wherein said pit is disposed in said second waveguide holding member, and said groove is disposed in said substrate.

14.
15. (Amended Once) An optical switch as recited in claim 11, wherein said groove is disposed in said second waveguide holding member, and said pit is disposed in said substrate.

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26.
27. (Amended Once) An optical switch as recited in claim 23, wherein said second waveguide holding member moves transversely along said at least two transverse grooves and said transverse movement selectively decouples at least one waveguide of said first waveguide holding member from at least one waveguide of said second waveguide holding member.

A13
29.
30. (Amended Once) An optical switch as recited in claim 27, wherein positioning members are disposed between each of said at least one transverse grooves in said substrate and each of said at least one transverse groove in said first waveguide holding member.